



FEMA



Prepared by
Todd Beal

FEMA Region 6 Weather Threat Briefing

Friday, May 24, 2019

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.

Summary of the Upcoming Week



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Today

- **Slight risk for severe thunderstorms across W TX/NW TX and OK with large hail and damaging winds**
- **Moderate risk of excessive rainfall and flooding over N OK. Slight risk of heavy rainfall over C OK, W OK, and NW TX**

Saturday-Sunday

- **Severe thunderstorms and heavy rainfall across the TX/OK Panhandles, W TX, and W OK. Large hail, damaging winds, and isolated tornadoes possible.**

Monday

- **No significant weather expected.**

Tuesday

- **Severe thunderstorms across OK and NW TX.**

Major River Flooding or Known Evacuations

- **Major flooding continues on the MS River at Baton Rouge (SE LA) and the Ouachita River at Monroe (N LA)**
- **Major flooding along the Arkansas river in NE OK/W AR. Webbers Fall, OK remains evacuated. Voluntary evacuations requested in Muskogee, Bixby, and Fort Gibson.**

FEMA Region 6 Threat Matrix

May 24, 2019 – May 28, 2019



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DAY / THREAT	FRI	SAT	SUN	MON	TUE
Severe Storms	OK W and NW TX	OK & TX Panhandles W TX/W OK	OK & TX Panhandles W TX/W OK		OK/NW TX
Heavy Rain / Flash Flooding	N OK OK/NW TX	NW OK/TX Panhandle C and W OK	TX & OK Panhandles		
Fire Weather					
Tropical Weather					
River Flooding	OK/AR TX/LA	OK/AR TX/LA	OK/AR TX/LA	OK/AR TX/LA	OK/AR TX/LA

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

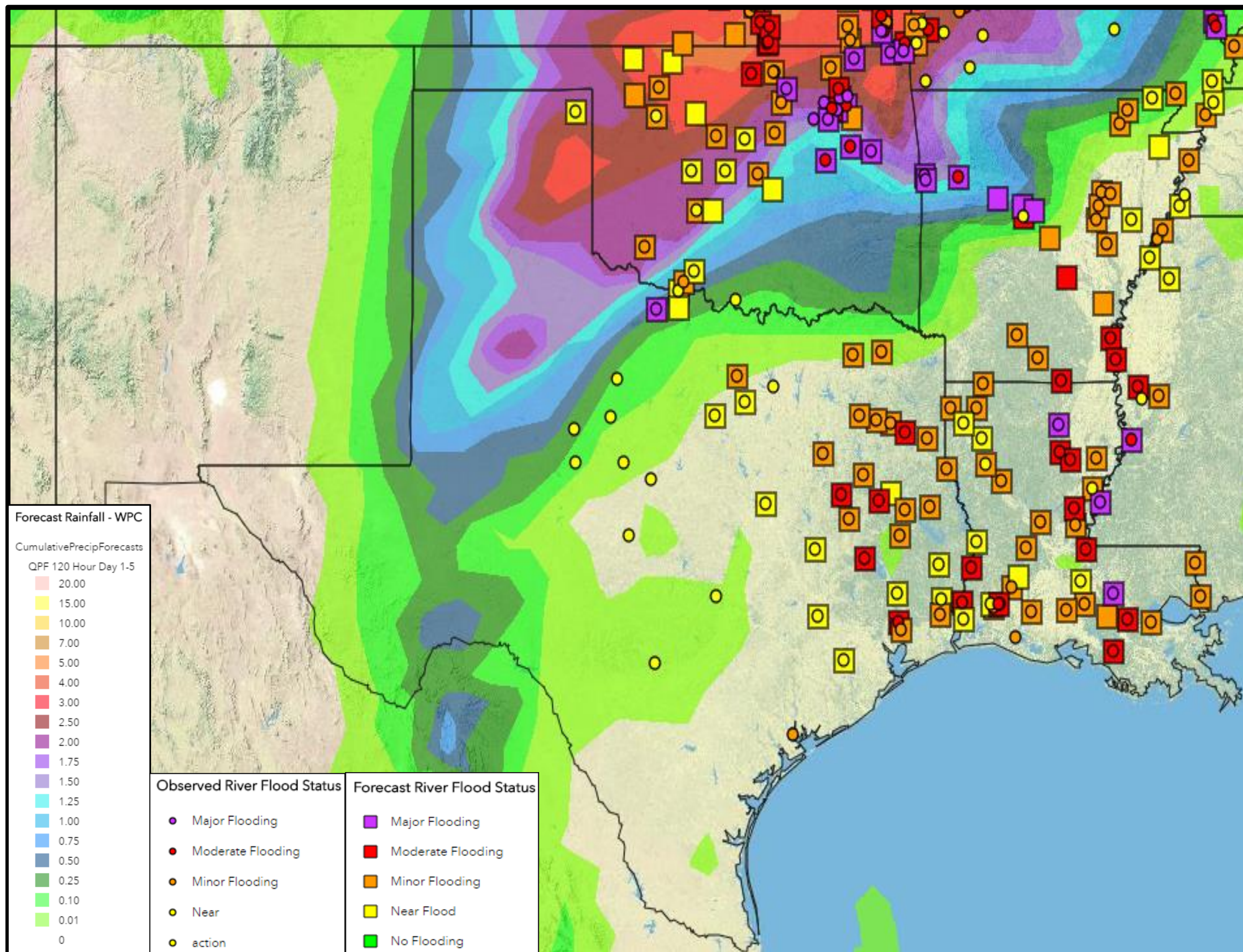
For more details on the colors in the threat matrix refer to the last slide in this briefing.

5-Day Precipitation Forecast & River Flood Status



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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



Points along the MS River in AR and LA remain at moderate/major flood stage.

- **At Baton Rouge, (SE LA), major flooding will continue with mostly navigational impacts.**
- **The Bonnet Carre Floodway is opened to reduce water levels at New Orleans.**
- **Major flooding also continues on the Ouachita River at Monroe (N LA)**

Rare flooding of the Arkansas River in the Tulsa area is imminent

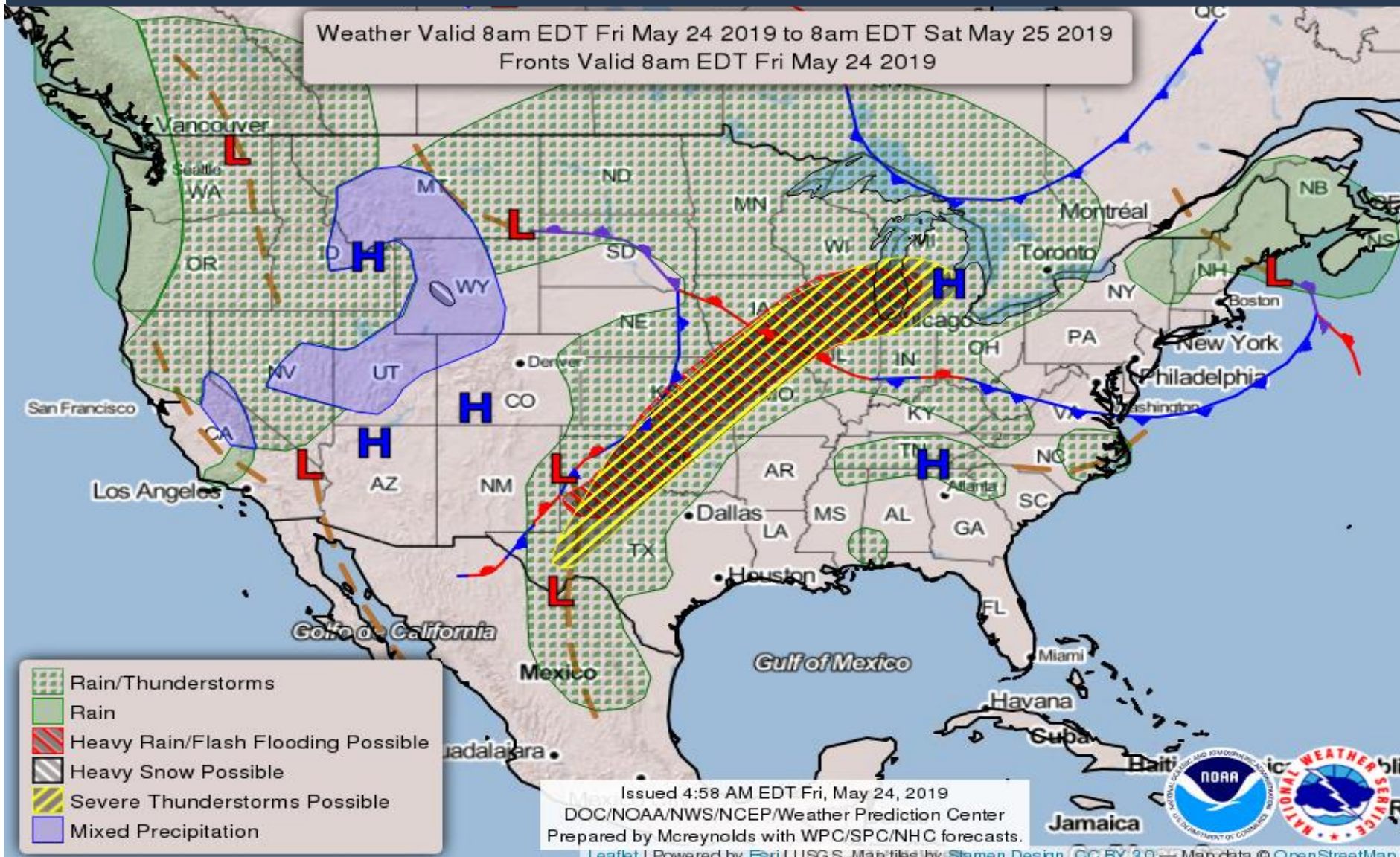
- **Some homes in S Tulsa/Bixby isolated by water**
- **Major flooding expected from Muskogee, OK into western AR**
- **Webbers Falls OK remains evacuated**
- **Voluntary evacuations for areas in the City of Muskogee and Fort Gibson have been requested as well.**

Today's Weather

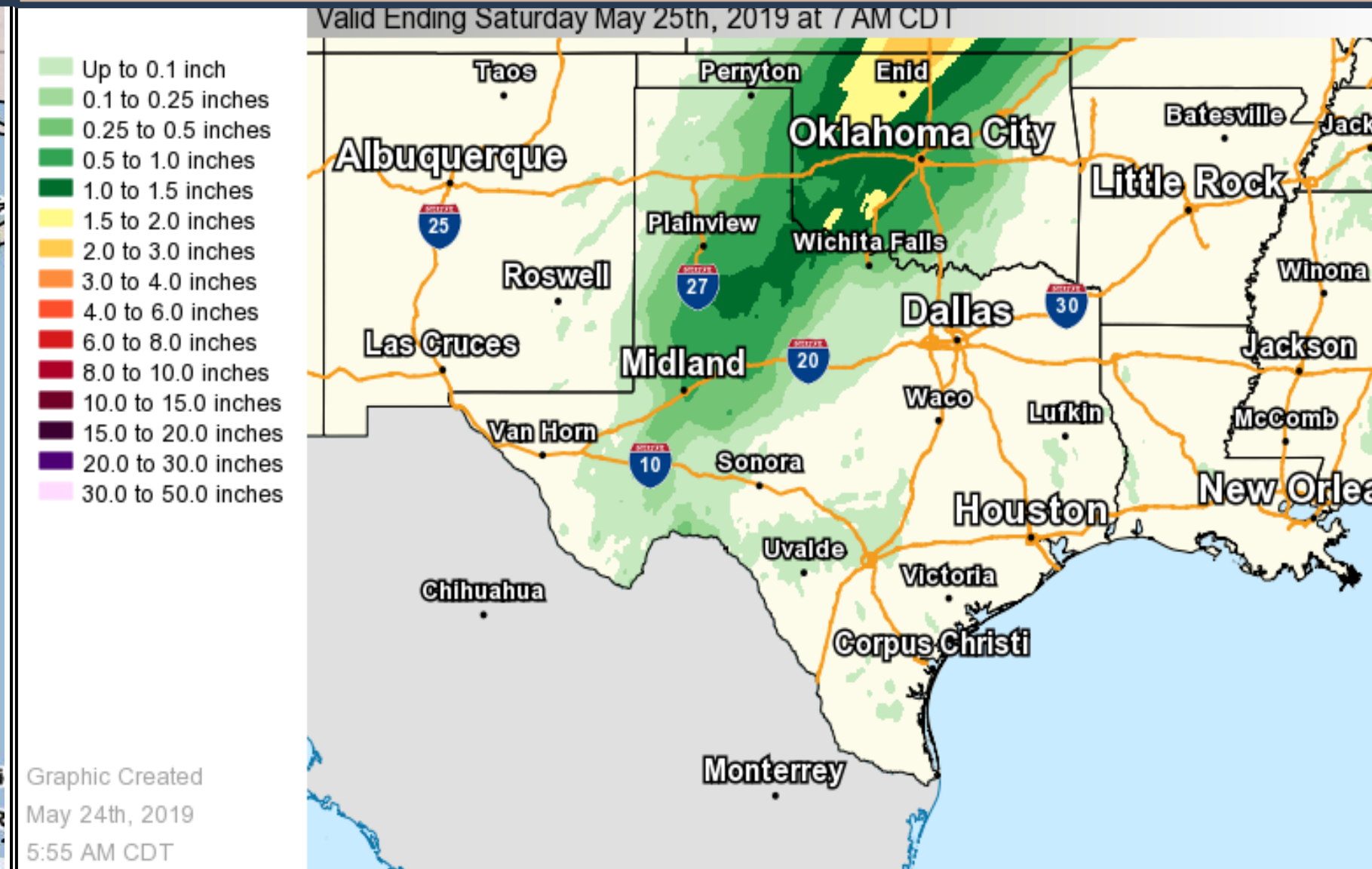


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Forecast Chart



Forecast Rainfall

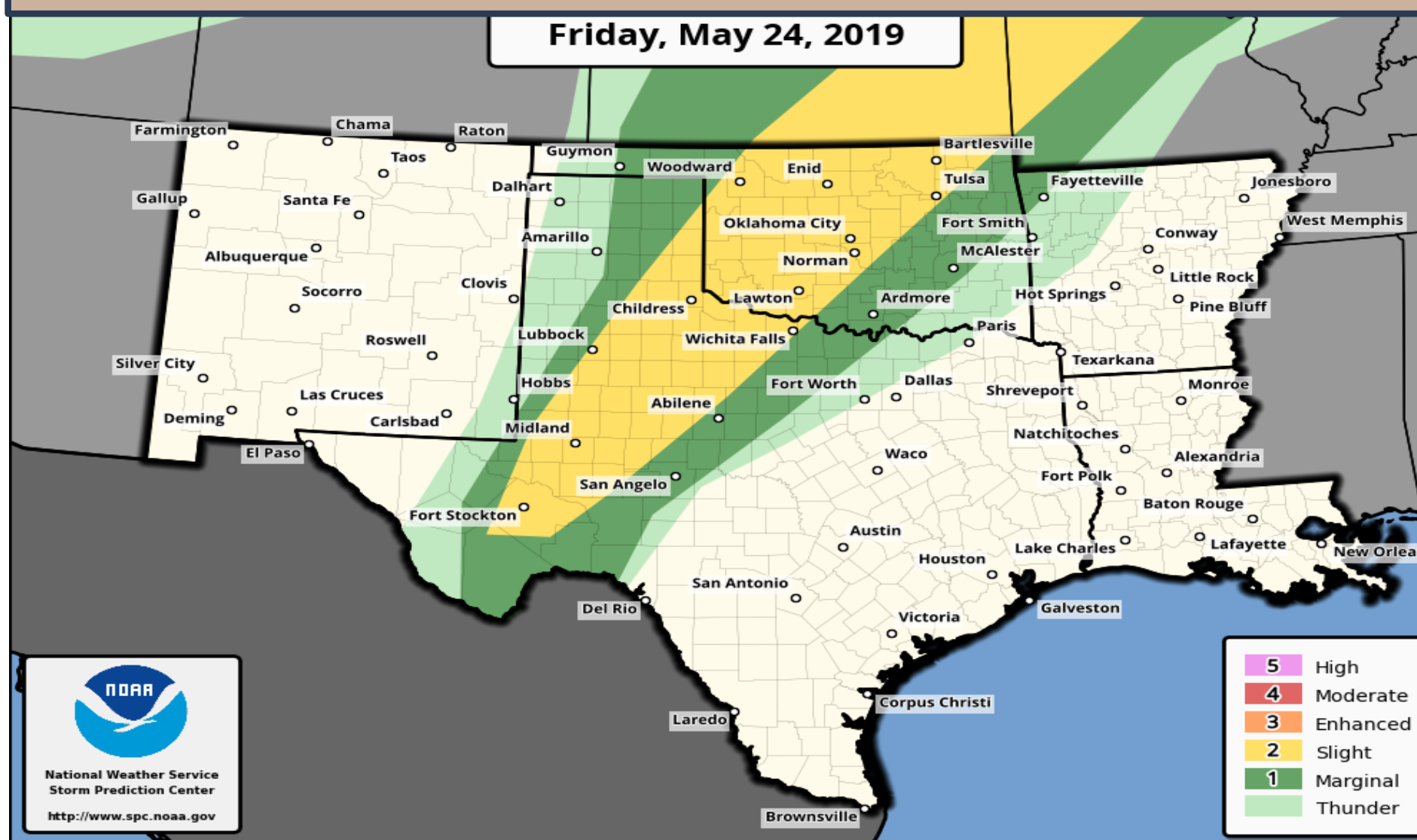


Slight risk of severe storms over W/NW TX and OK. Large hail and damaging winds are the primary threats

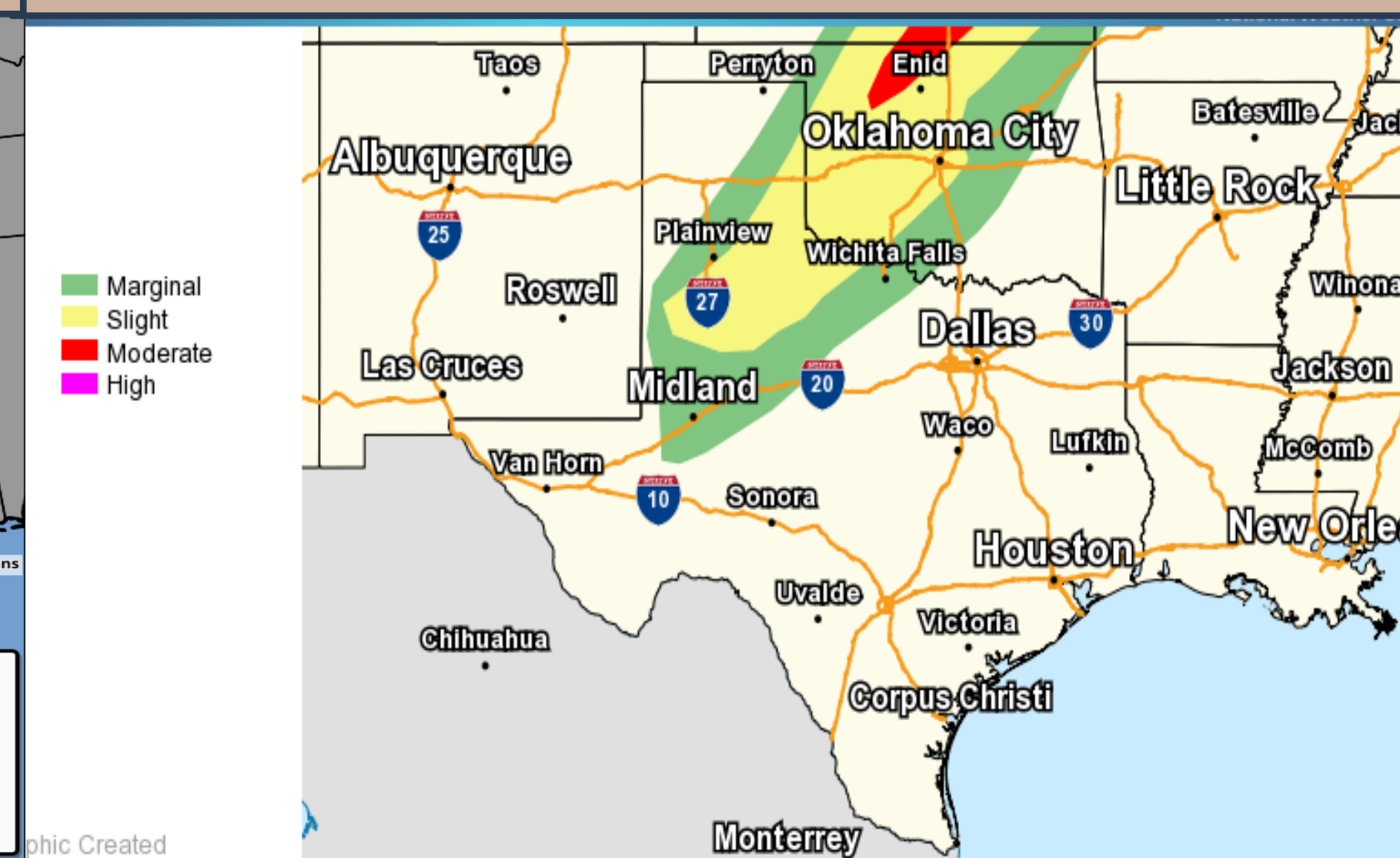
Moderate risk of excessive rainfall and flooding over N OK

Slight risk of excessive rainfall over OK and NWTX

Severe Weather Outlook



Excessive Rainfall Outlook



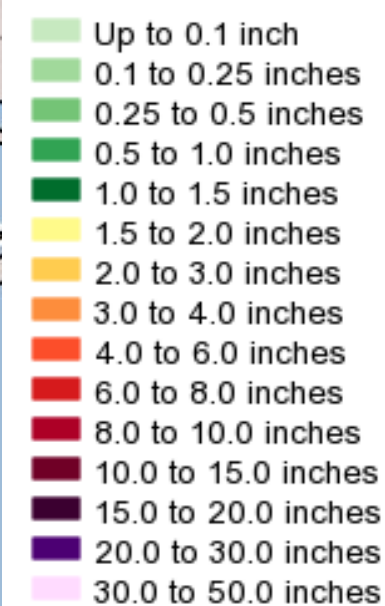
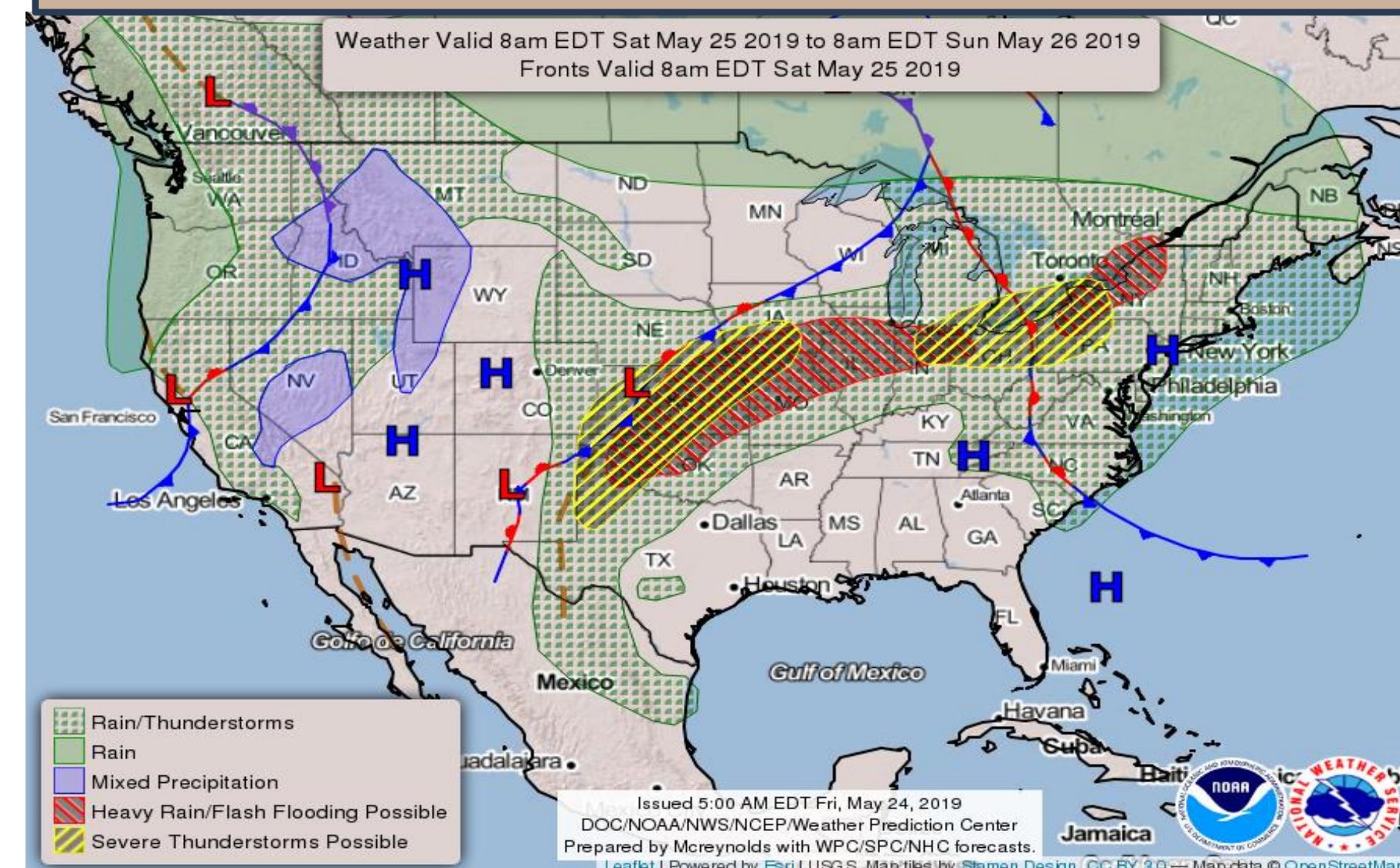
Tomorrow's Weather



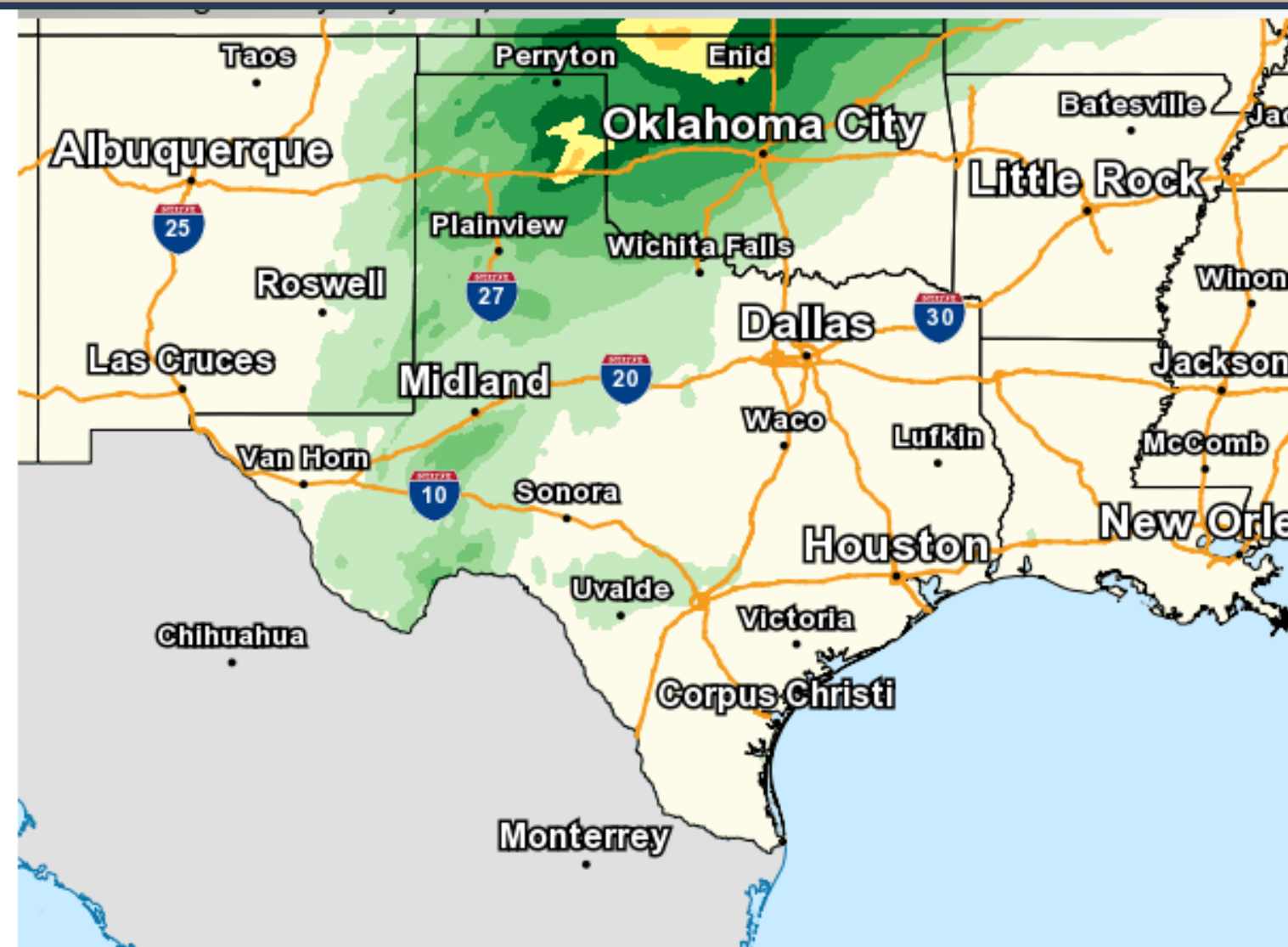
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Forecast Chart

Forecast Rainfall



Graphic Created
May 24th, 2019
5:57 AM CDT



Enhanced risk of severe storms over the TX/OK Panhandles. Large hail, damaging winds, and isolated tornadoes possible.

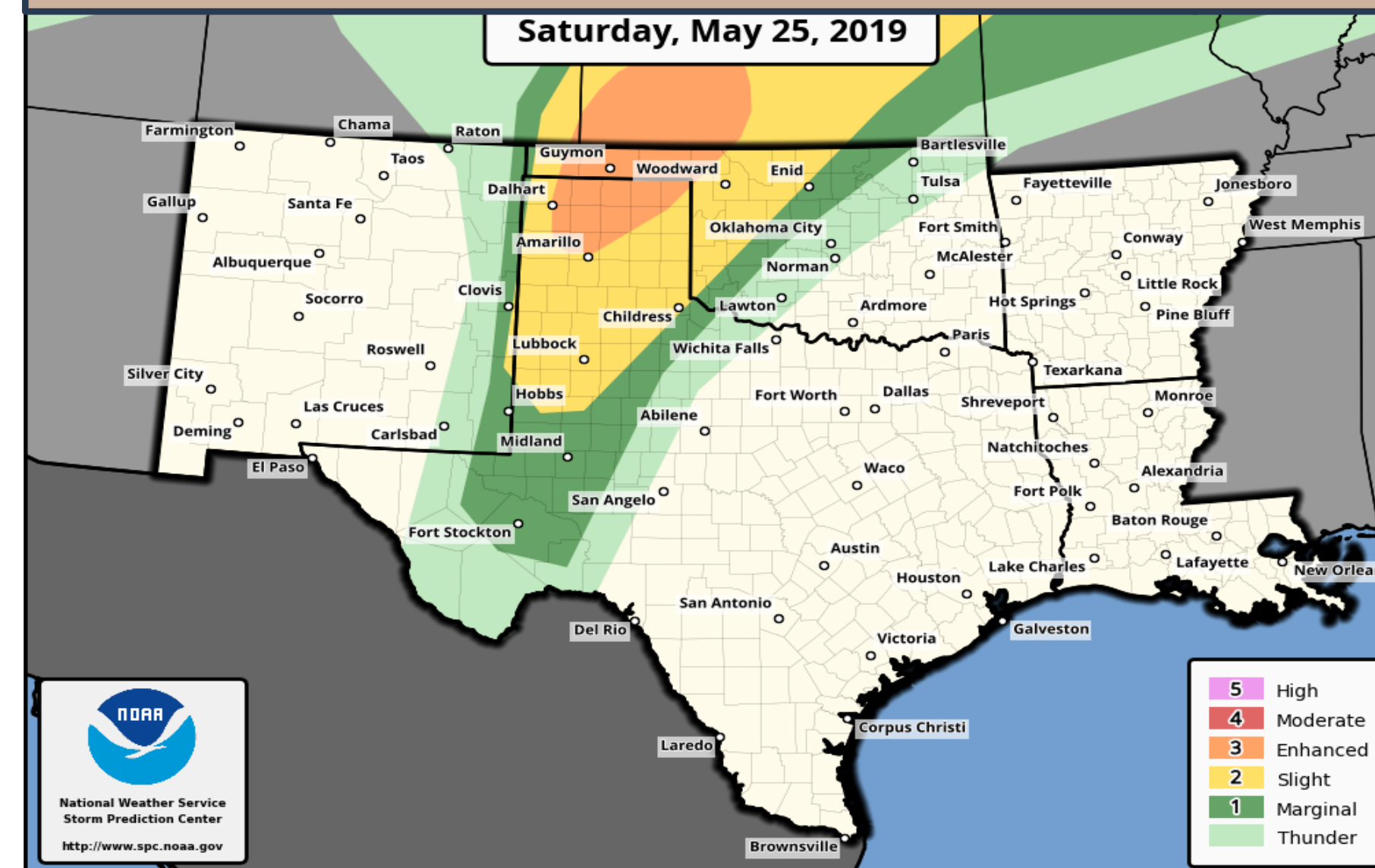
Slight risk of severe storms over W OK and W TX. All modes of severe weather possible.

Moderate risk of excessive rainfall and flooding over NW OK and the TX Panhandle

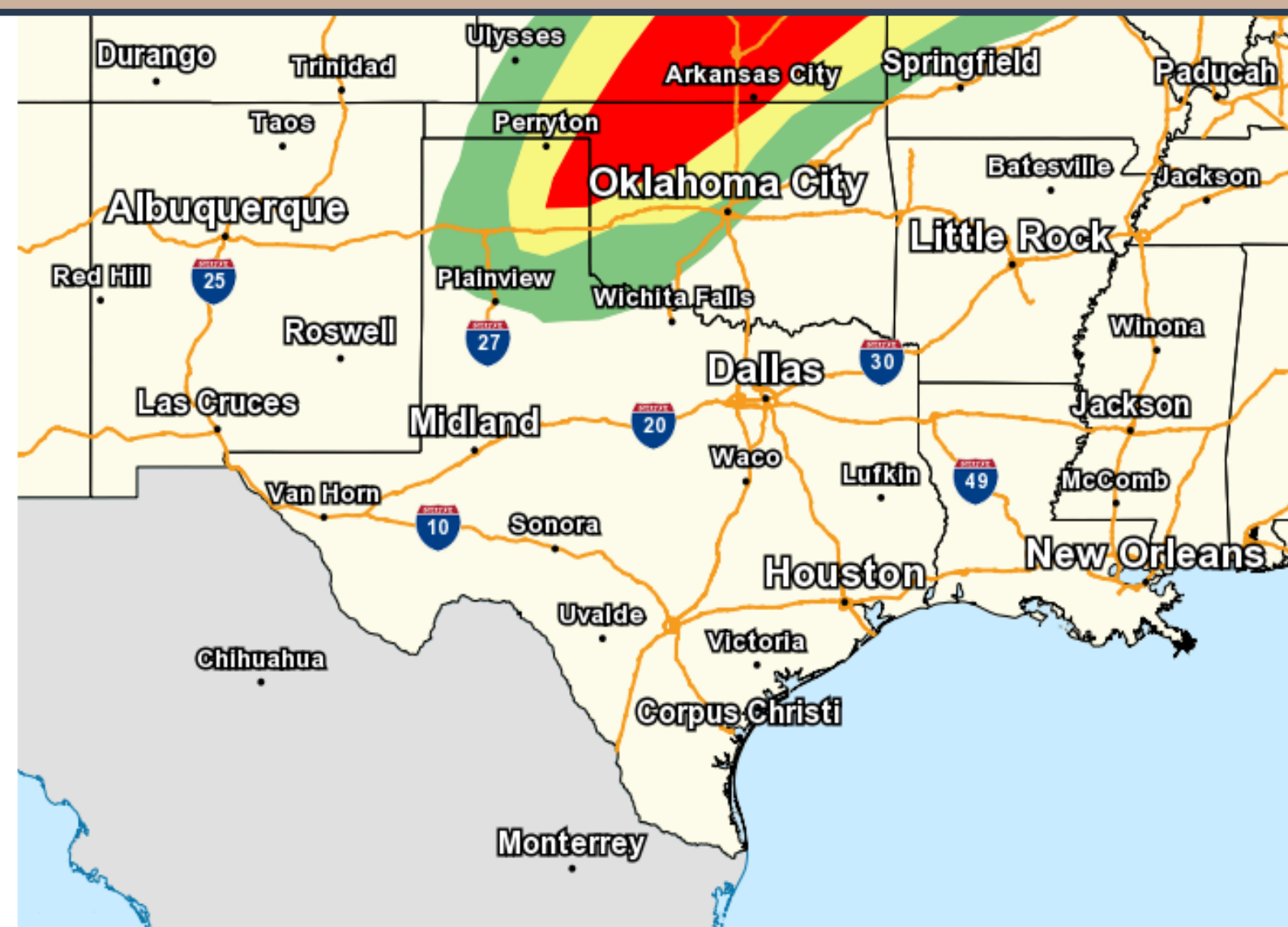
Slight risk of excessive rainfall over C and W OK

Severe Weather Outlook

Excessive Rainfall Outlook

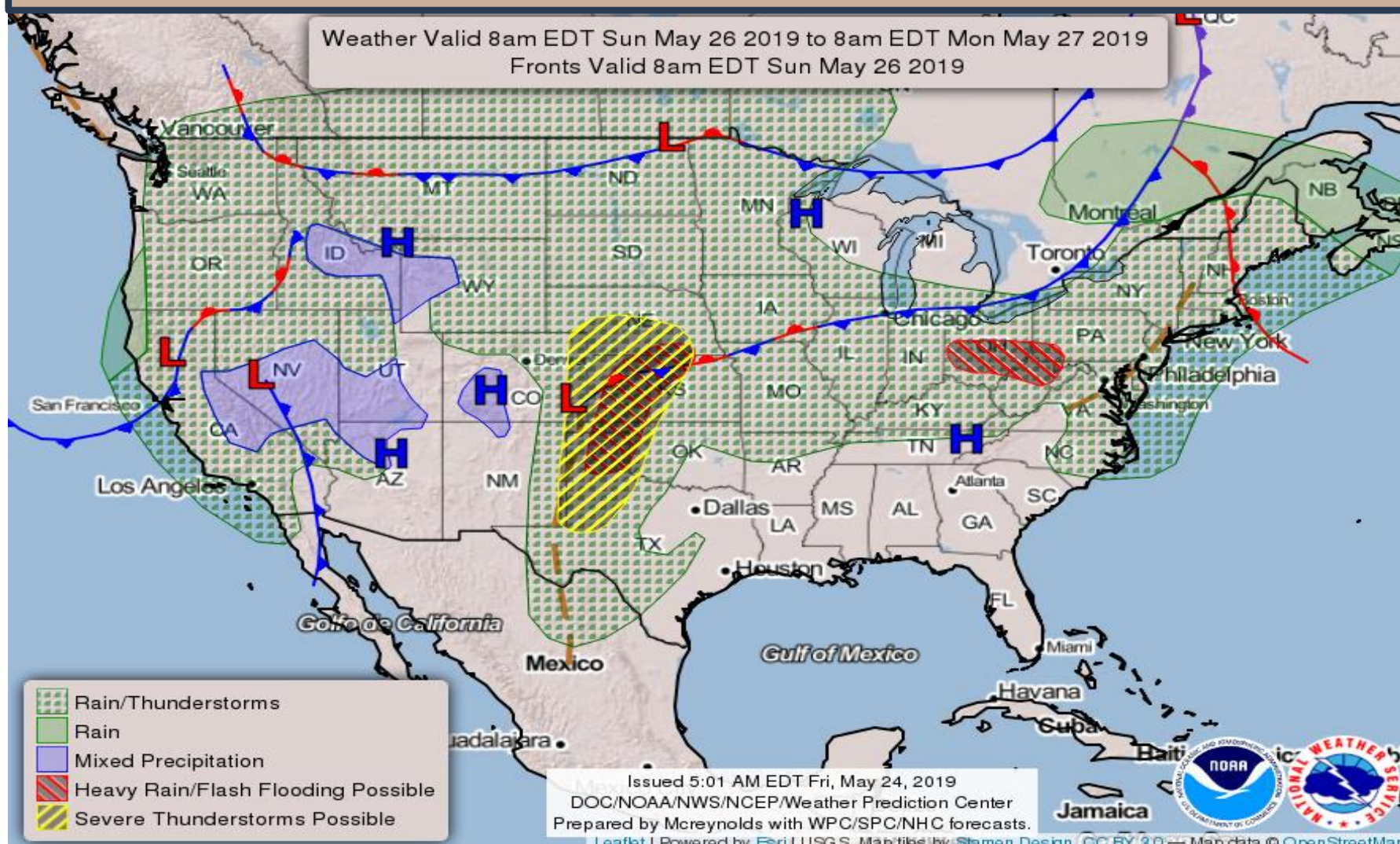


Graphic Created
May 24th, 2019
5:57 AM CDT

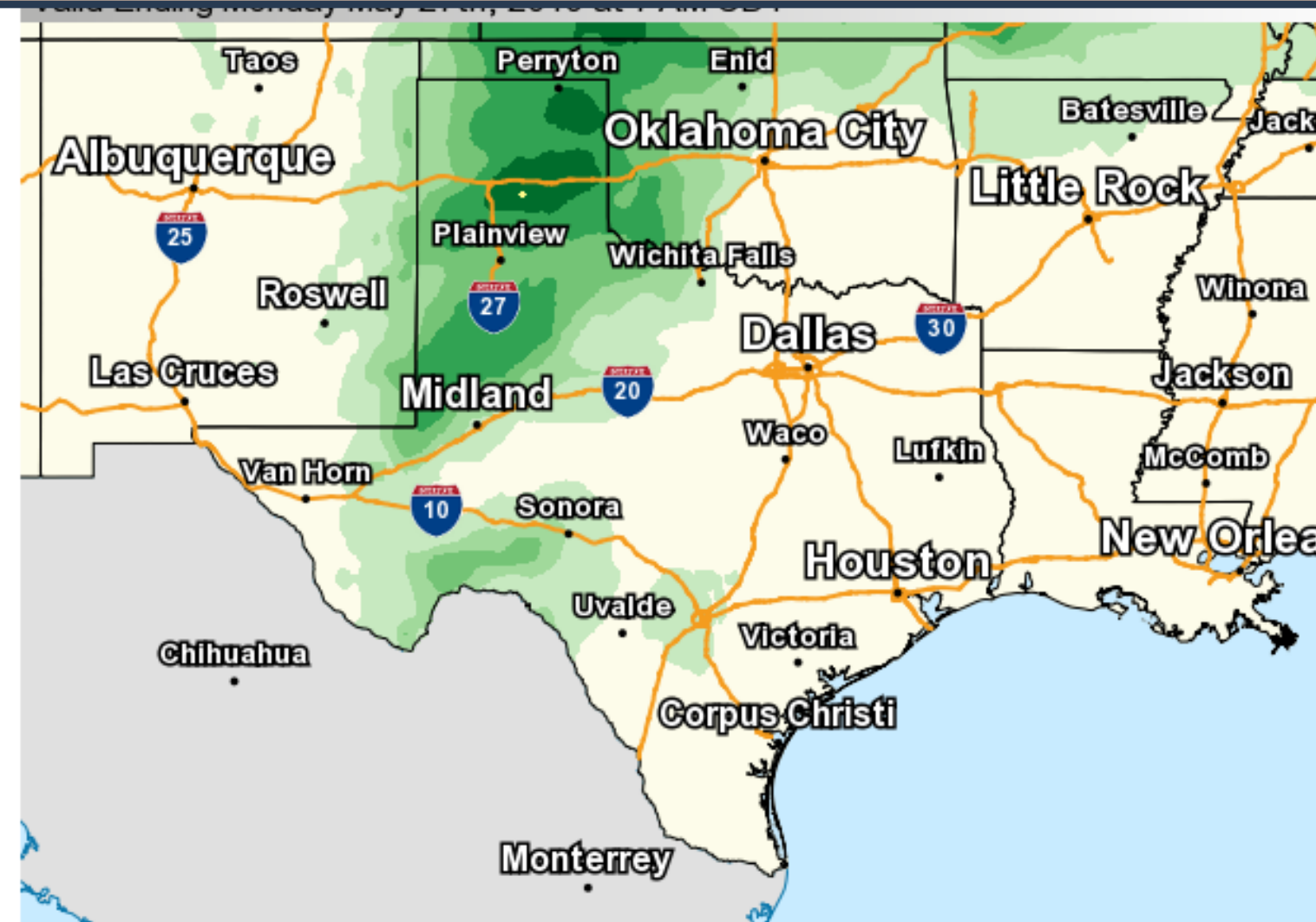
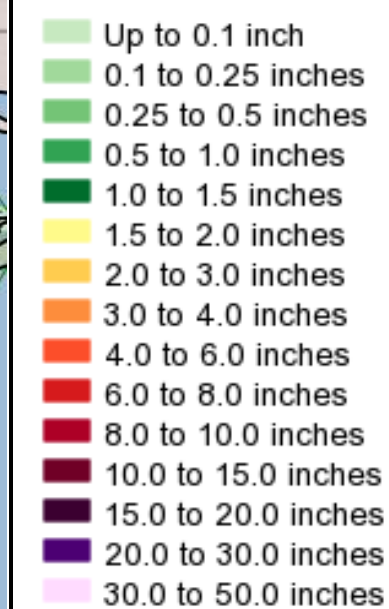


Sunday's Weather

Forecast Chart



Forecast Rainfall

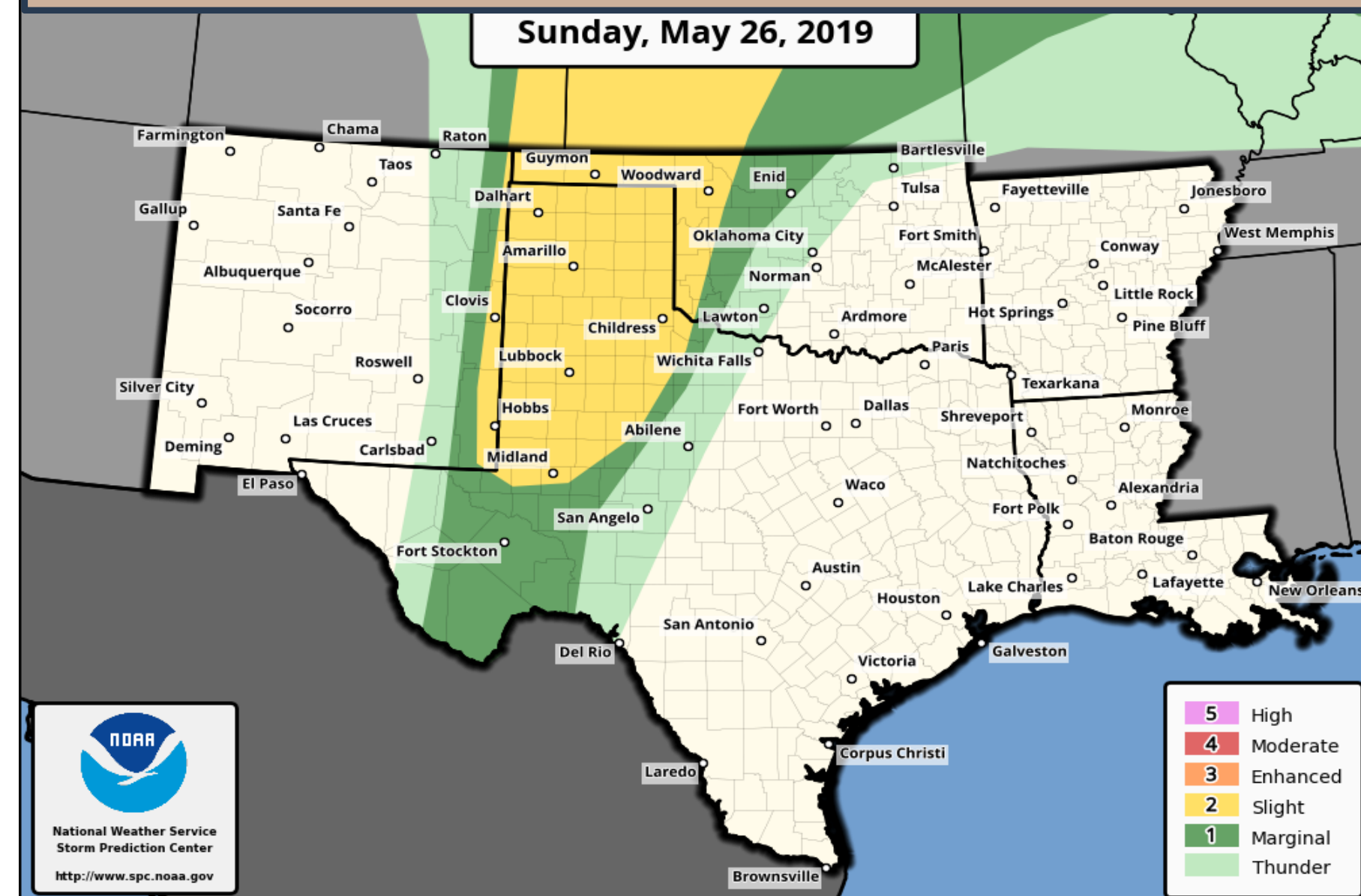


Graphic Created
May 24th, 2019

Severe thunderstorms and heavy rainfall and flash flooding possible across the TX & OK Panhandles, W TX, and W OK. All severe weather modes possible.

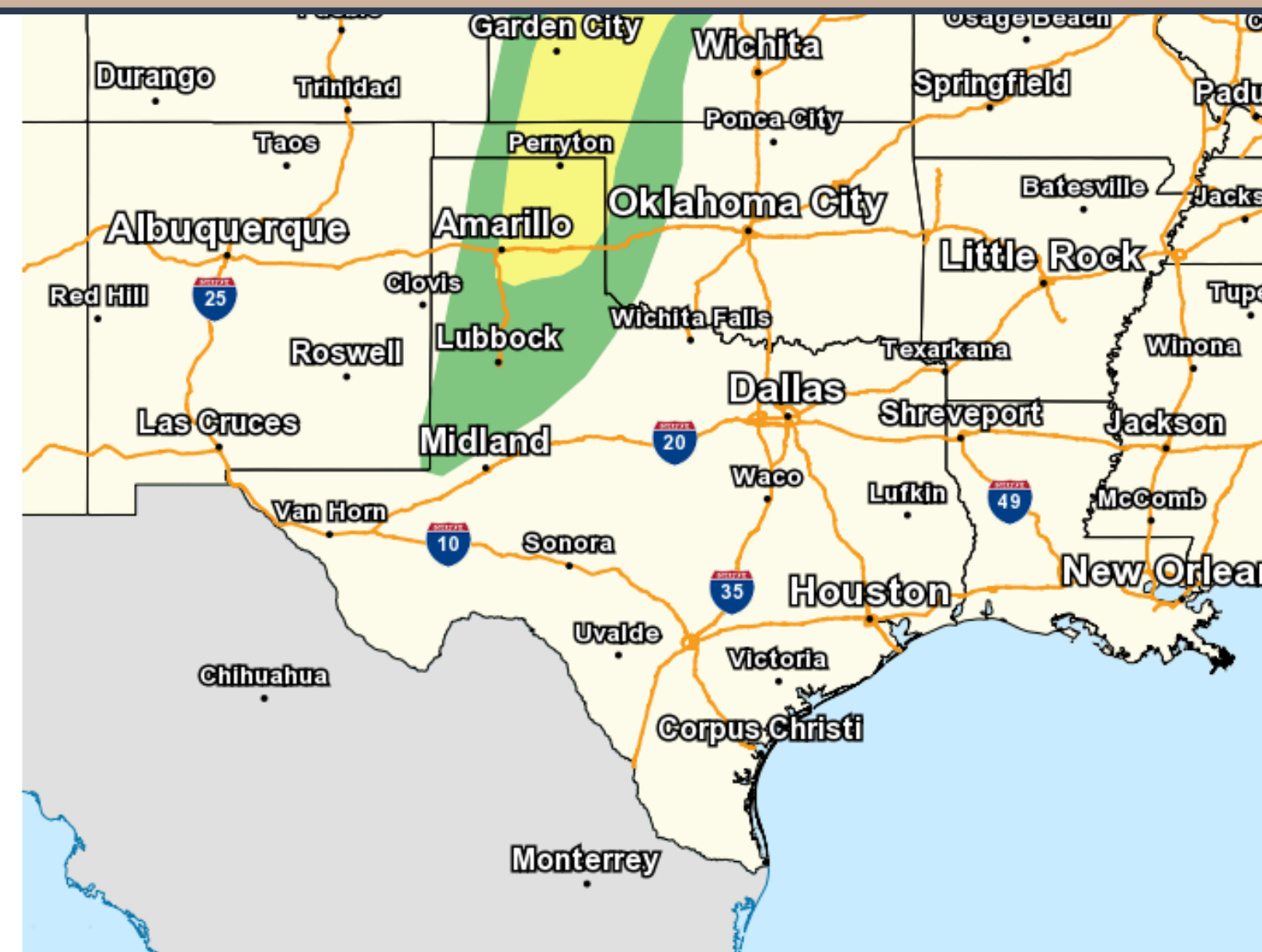
Severe Weather Outlook

Sunday, May 26, 2019



Graphic Created
May 24th, 2019
AM CDT

Excessive Rainfall Outlook

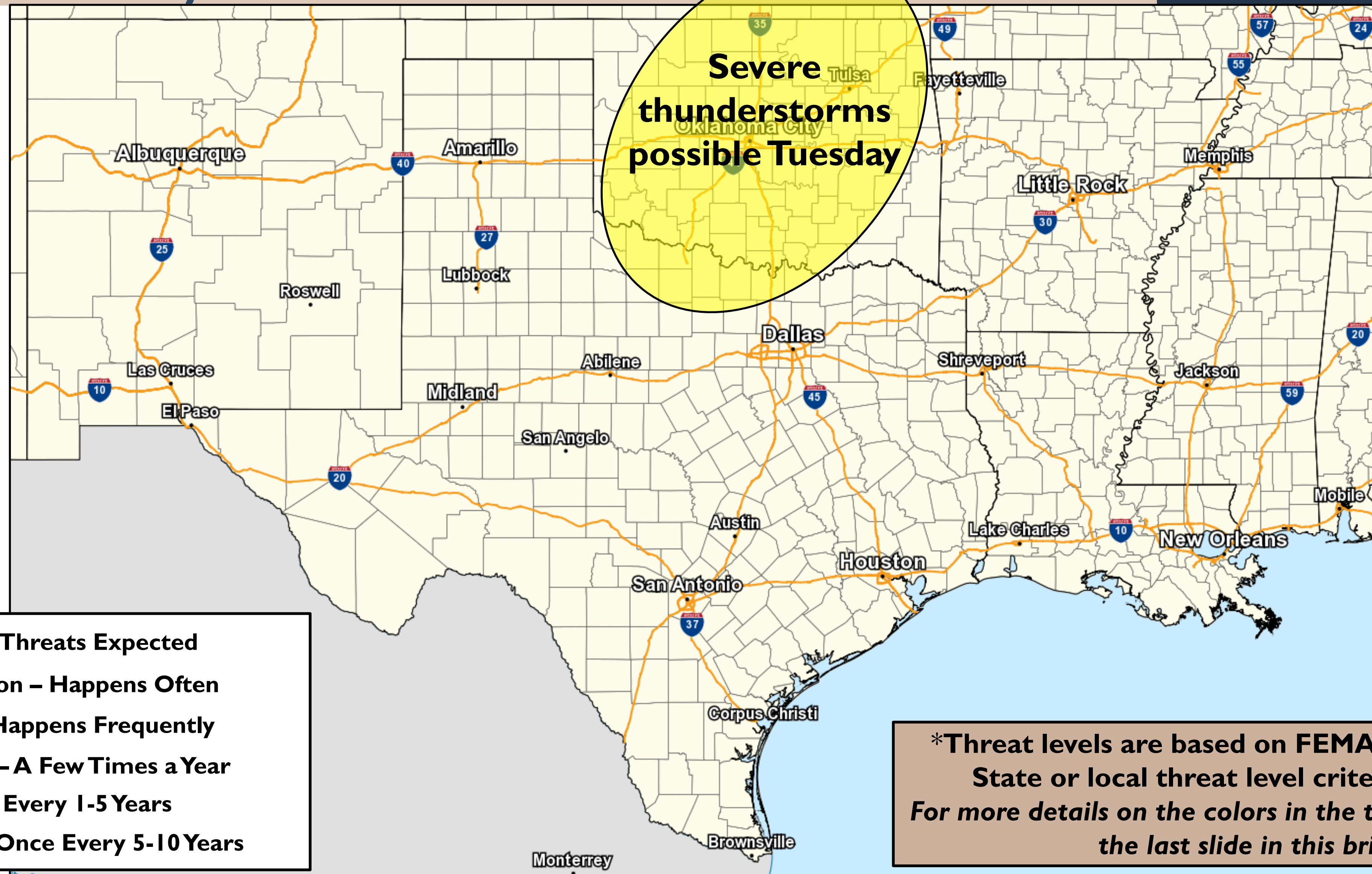


Days 4-5 Weather Hazards

Monday - Tuesday



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- No Weather Threats Expected
- Very Common – Happens Often
- Common – Happens Frequently
- Uncommon – A Few Times a Year
- Rare – Once Every 1-5 Years
- Very Rare – Once Every 5-10 Years

***Threat levels are based on FEMA Region 6 criteria.
State or local threat level criteria may differ.***
*For more details on the colors in the threat matrix refer to
the last slide in this briefing.*

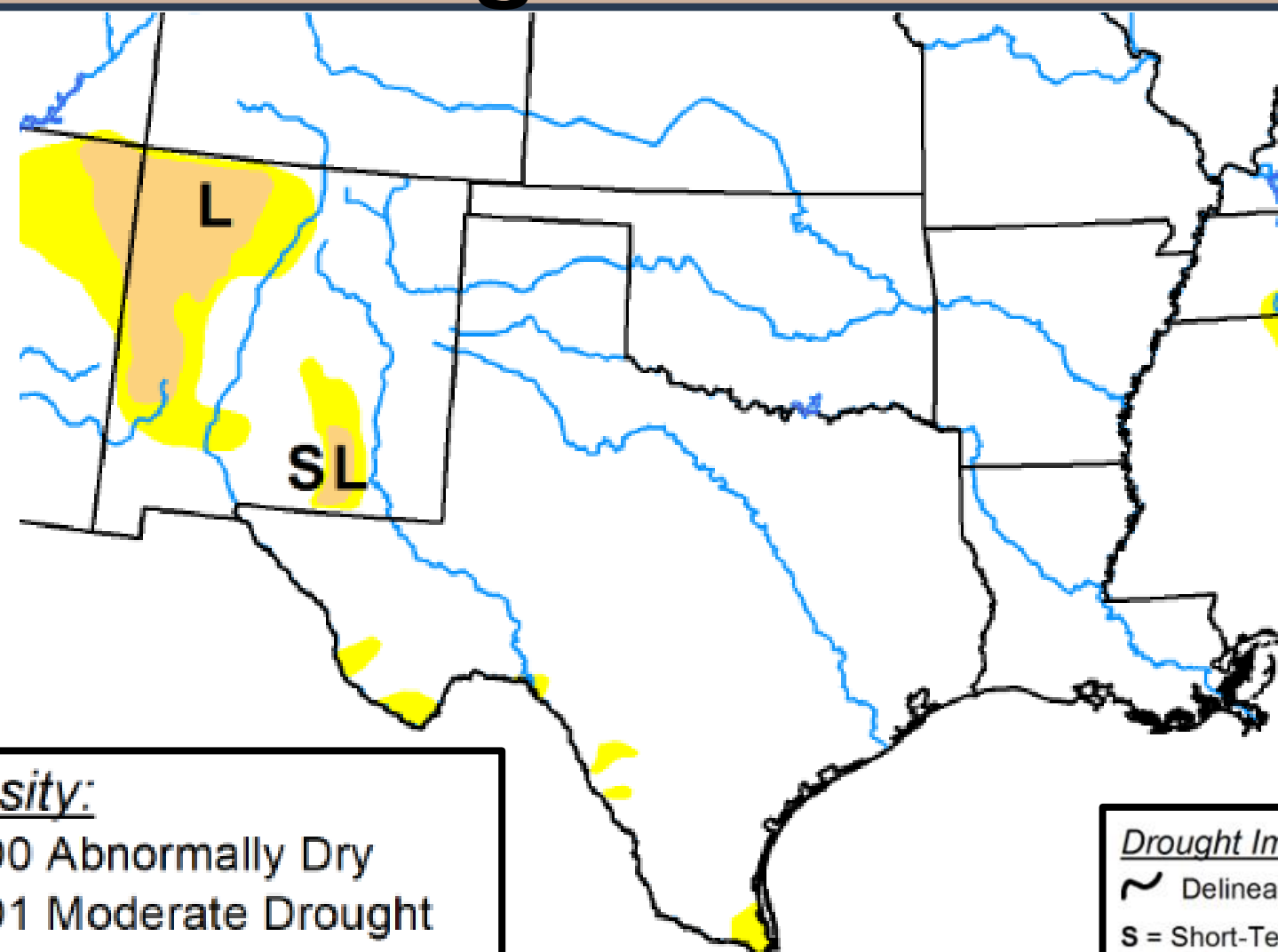
Drought Monitor (Released May 23, 2019)



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Data valid as of 7am EST, Tuesday, May 21, 2019

Drought Monitor



Intensity:

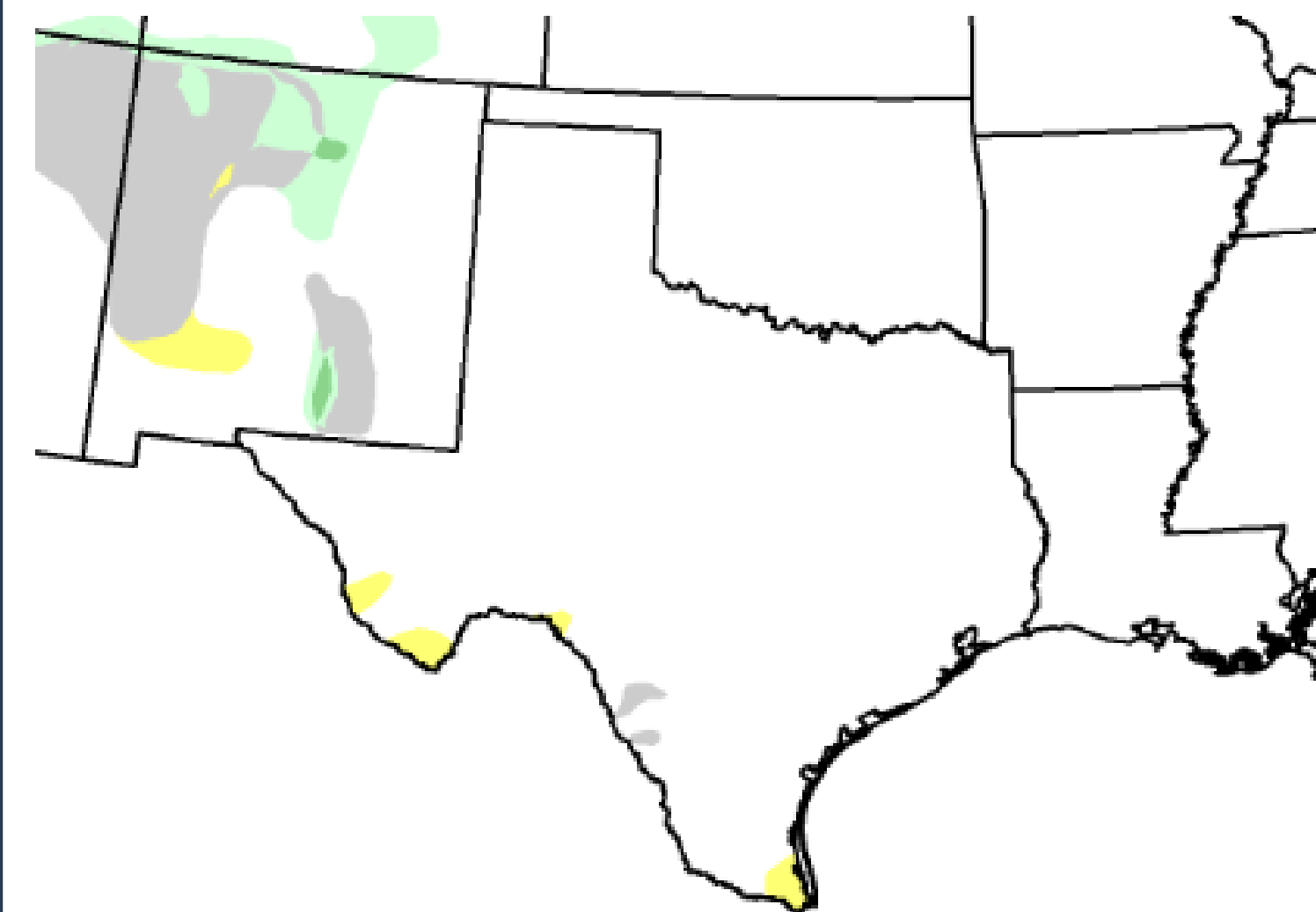
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

Drought Impact Types:

- ~ Delineates dominant impacts
- S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

One Week Change in Drought

- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement



Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

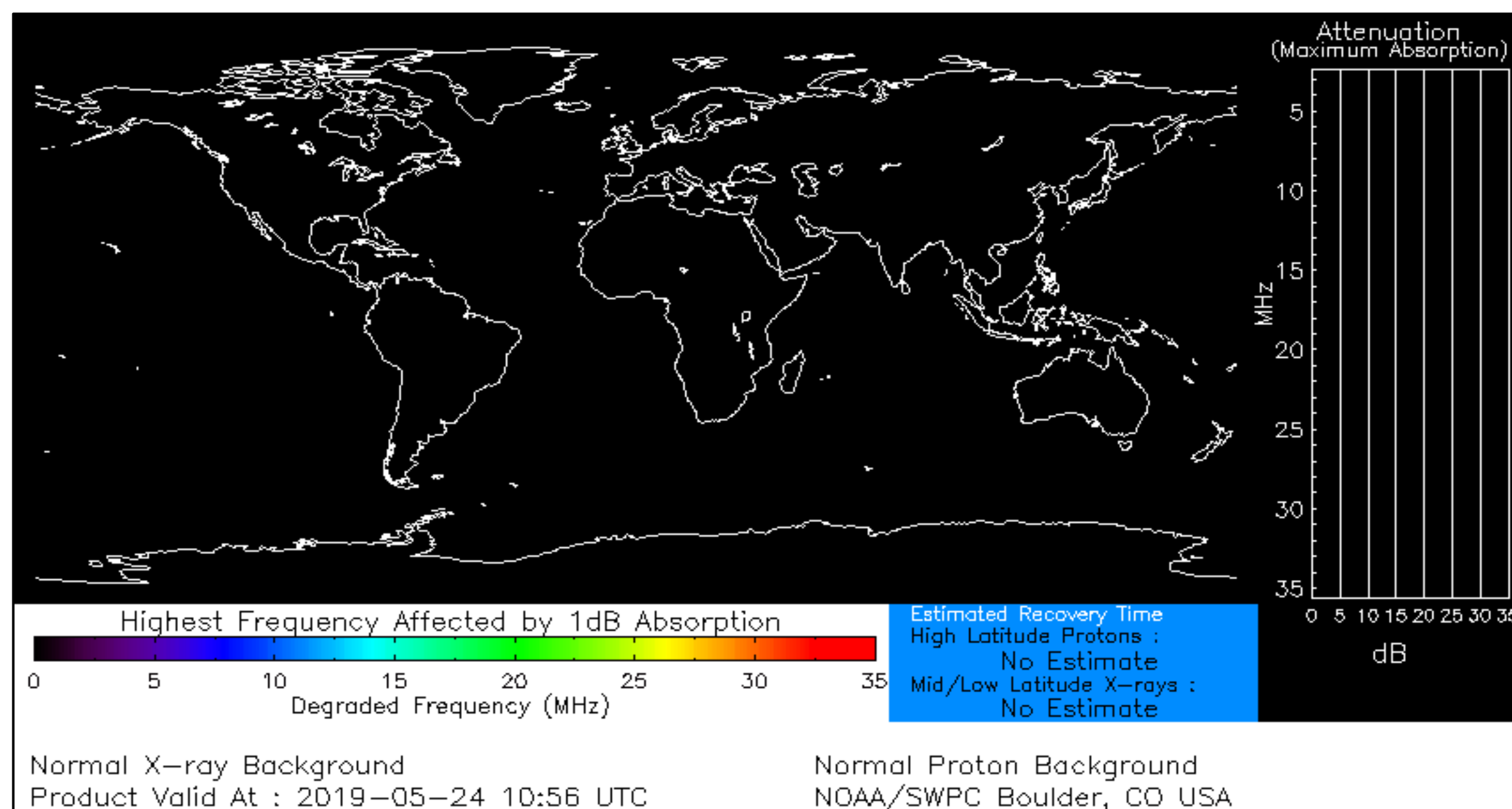
State	Current	Last Week	3 Months Ago	1 Year Ago
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%
New Mexico	0.00%	0.00%	14.98%	63.26%
Oklahoma	0.00%	0.00%	0.00%	31.09%
Texas	0.00%	0.00%	0.00%	9.20%

Space Weather 3-Day Forecast



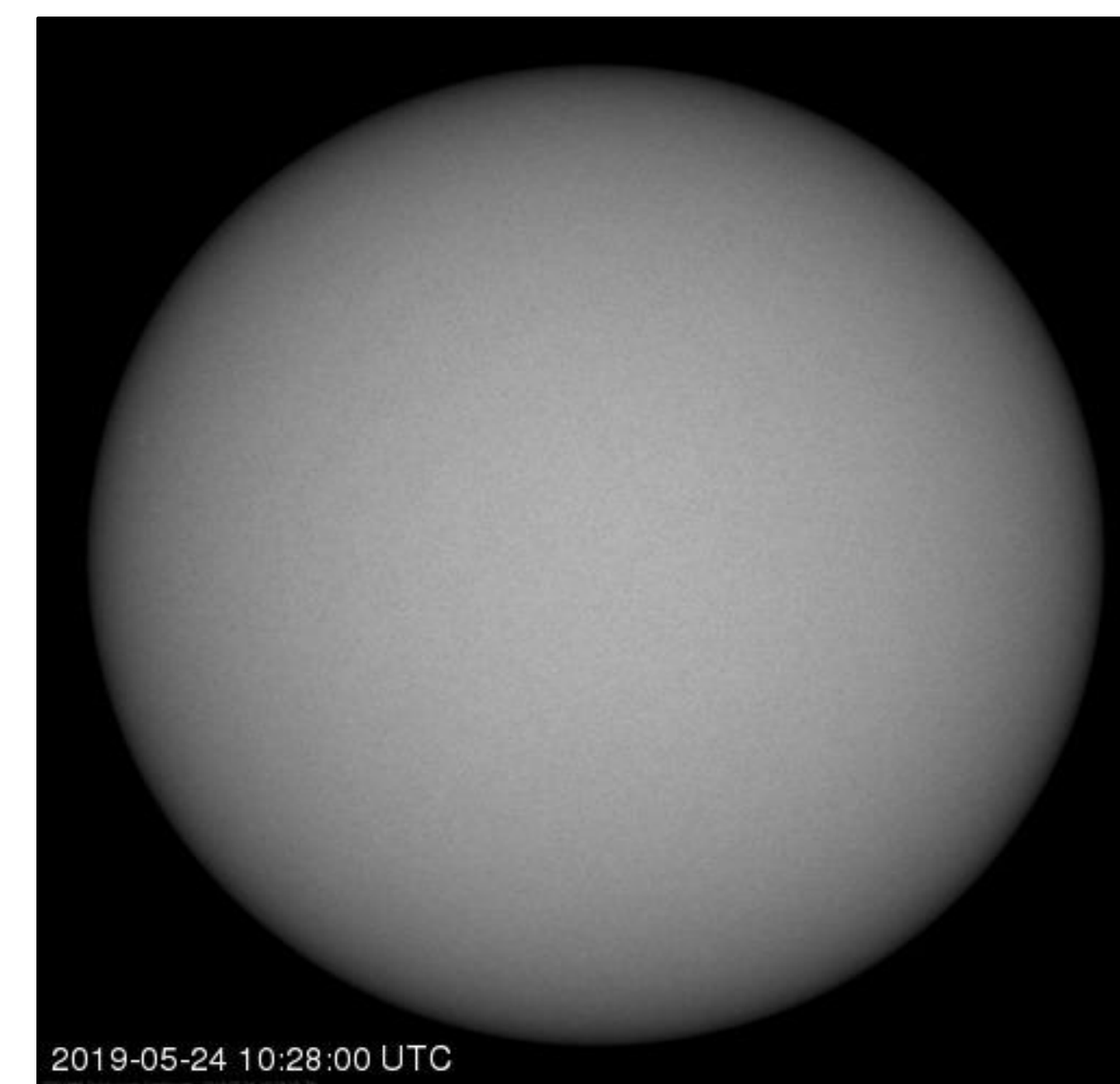
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	Friday	Saturday	Sunday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet to Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	%1
Radio Blackout (R1-R2)	1%	1%	%1
Radio Blackout (R3-R5)	1%	1%	%1



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)



2019-05-24 10:28:00 UTC



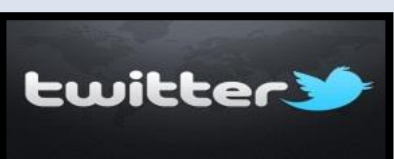
For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov